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(54) Title: METHOD FOR ESTIMATING THE RISK OF CARCINOMA DEVELOPMENT

(57) **Abstract:** The present invention relates to a method for estimating the risk for development of carcinoma in an individual. More precisely, for estimating the cancer risk in an individual being exposed to human papilloma virus(es) (HPV). The method comprises (i) identification of one or more of said HPV or groups thereof in a sample from said human being; (ii) calculating the amount of HPV of each type or group in the sample and normalising the values to the amount of cells sampled; (iii) estimating the risk for each of the HPV or groups of HPV by comparing each viral titer value from (ii) with type or group specific standard curves for each viral type or group with risk estimation values; and (iv) estimating the combined risk for carcinoma development for the human being from the individual risk estimation curves of the different viral types.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C12Q 1/70

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI DATA, EPO-INTERNAL, PAJ, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6420106 B1 (GYLLENSTEN ET AL), 16 July 2002 (16.07.02) --	1-7
Y	THE LANCET, Volume 355, June 2000, Nathalie Ylitalo et al, "Consistent high viral load of human papillomavirus 16 and risk of cervical carcinoma in situ: a nested case-control study", pages 2194-2198 --	1-7
Y	Cancer Epidemiology Biomarkers & Prevention, Volume 10, 2001, Toshiyuki Sasagawa et al, "High-Risk and Multiple Human Papillomavirus Infections Associated with Cervical Abnormalities in Japanese Women", pages 45-52 --	1-7

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6420106 B1	16/07/02	NONE	